

Application No. 10/006,660

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A liquid crystal display, comprising:

a liquid crystal display panel formed of liquid crystals sandwiched between a pair of opposing substrates, and including pixels having a plurality of sub-pixels each corresponding to different colors;

an illumination device provided to an opposite side of the liquid crystal display panel in relation to an observation side that illuminates the liquid crystal display panel with illumination light;

a transfective layer disposed on the opposite side of the liquid crystals in relation to the observation side with a transmissive portion that transmits the illumination light formed thereto, the transmissive portion ~~being formed such that~~ having a first dimension ~~of a transmissive area corresponding to the transmissive portion of at least at one sub-pixel out of the plurality of sub-pixels and the transmissive portion having~~ a second dimension of a ~~transmissive area corresponding to the transmissive portion at another sub-pixel, the first and the second dimensions differing according to spectral properties of the illumination light; and~~

a color filter provided corresponding to each of the sub-pixels that transmits light of a wavelength corresponding to a color of each sub-pixel.

2. (Canceled)

3. (Currently Amended) The liquid crystal display according to ~~Claim~~ claim 2, the dimension of the transmissive area at each sub-pixel being a dimension ~~each~~ and differing according to the luminance of a wavelength of the illumination light corresponding to a color of the sub-pixel.

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4. (Previously Presented) The liquid crystal display according to Claim 3, the dimension of the transmissive area at a sub-pixel of a color corresponding to a wavelength of the illumination light with great luminance being smaller than the dimension of the transmissive area at a sub-pixel of a color corresponding to a wavelength of the illumination light with small luminance.

5. (Previously Presented) The liquid crystal display according to of Claim 1, the dimension of the transmissive area at each of the sub-pixels differs for each sub-pixel corresponding to a different color.

6. (Previously Presented) The liquid crystal display according to Claim 1, the dimension of the transmissive area at each of the sub-pixels differing according to a position of the sub-pixel within a substrate face of the liquid crystal display panel.

7. (Previously Presented) The liquid crystal display according to Claim 1, the transmissive portion being an opening portion formed in the transfective layer corresponding to each of the sub-pixels.

8. (Currently Amended) The liquid crystal display according to ~~Claim~~claim 7, the opening portion comprising opening parts of generally the same dimension, wherein a ~~degree of separation between the opening parts corresponds~~a number of opening parts depends on ~~to~~ the dimension of the transmissive area at the sub-pixels.

9. (Withdrawn) The liquid crystal display according to claim 1, the transfective layer having the transmissive portion formed such that an area along at least one side of a plurality of sides defining each sub-pixel serves as the transmissive area.

10. (Currently Amended) A liquid crystal display, serving as a transfective liquid crystal display which performs displaying by switching between a transmissive mode and a reflective mode, comprising:

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a liquid crystal layer sandwiched between an upper substrate and a lower substrate opposing one another;

a transfective layer which has a transmissive area that transmits light and a reflective area that reflects incident light from an upper substrate side, and which is disposed on an inner side of the lower substrate;

a color filter disposed on an upper side of the transfective layer, upon which a plurality of pigment layers with different colors according to each of sub-pixels forming a display area are arrayed; and

an illumination device providing illumination light and disposed on an outer side of the lower substrate,

the pigment layers being formed over an entirety of an area overlapping the transmissive area in a planar manner and an area overlapping the reflective area in a planar manner, and at least one color pigment layer not being formed at a part of an area overlapping the reflective area in a planar manner,

and a dimension of a pigment layer formation area, where the pigment layers are formed, ~~being formed so as to be~~ the dimension being different between at least one color pigment layer out of the plurality of pigment layers of differing colors and another color pigment layer, the dimensions of the pigment layer formation areas differing according to spectral properties of the illumination light.

11. (Withdrawn) The liquid crystal display according to Claim 10, the pigment layers comprising a red layer, a green layer, and a blue layer, and the dimension of the pigment layer formation area being formed so as to be smaller for the green layer than for the red layer and blue layer.

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12. (Withdrawn) The liquid crystal display according to Claim 10, further comprising a transparent film for smoothing a step between the pigment layer formation area and the area where the pigment layers are not provided.
13. (Withdrawn) The liquid crystal display according to Claim 10, the transmissive area being formed by the transfective layer being opened in a window-like manner.
14. (Withdrawn) The liquid crystal display according to Claim 10, band-shaped transparent electrodes being disposed on the inner side of the lower substrate, and the transmissive area of a band shape being formed in the transfective layer by having a transparent electrode pattern width that is formed wider than a transfective layer pattern width.
15. (Withdrawn) The liquid crystal display according to Claim 11, the transfective layer being formed of at least one of aluminum and an aluminum alloy, and the pigment layer containing the blue layer, and the dimension of the pigment layer formation area being provided so as to be smaller for the blue layer than for the red layer.
16. (Withdrawn) The liquid crystal display according to Claim 11, the transfective layer being formed of at least one of silver and a silver alloy, and the pigment layer containing the red layer and the blue layer, and the dimension of the pigment layer formation area being provided so as to be smaller for the red layer than for the blue layer.
17. (Withdrawn) The liquid crystal display according to Claim 10, the color properties of the color filter being adjusted by changing the dimension of the pigment layer formation area.
18. (Previously Presented) A liquid crystal display, serving as a transfective liquid crystal display which performs displaying by switching between a transmissive mode and a reflective mode, comprising:

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a liquid crystal display panel formed of a liquid crystal layer sandwiched between an upper substrate and lower substrate opposing each other, and including pixels that have a plurality of sub-pixels each corresponding to different colors and form a display area; and

an illumination device provided to an opposite side of the liquid crystal display panel in relation to an observation side that illuminates the liquid crystal display panel with illumination light;

a transfective layer disposed on an opposite side of the liquid crystal layer in relation to the observation side; and

a color filter provided above the transfective layer with a plurality of pigment layers of different colors corresponding to each of the sub-pixels arrayed thereupon, that transmits light of a wavelength corresponding to a color of the sub-pixel,

a transmissive portion that transmits the illumination light being formed on the transfective layer that includes a transmissive area that transmits light and a reflective area that reflects incident light from an upper substrate side,

and the transmissive portion ~~being formed such that~~ having a first dimension of ~~the transmissive area corresponding to the transmissive portion of at least~~ at one sub-pixel of the plurality of sub-pixels and ~~the transmissive portion having~~ a second dimension of ~~the transmissive area corresponding to the transmissive portion at another sub-pixel, the first and the second dimensions differing according to spectral properties of the illumination light,~~

and at least one color pigment layers ~~layer of each color are~~ is formed over an entirety of an area overlapping the transmissive area in a planar manner and an area overlapping the reflective area in a planar manner, and at least one color pigment layer not being formed at a part of an area overlapping the reflective area in a planar manner,

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and a dimension of a pigment layer non-formation area where the pigment layer is not formed at least at one sub-pixel of the plurality of sub-pixels and the dimension of a pigment layer non-formation area at another sub-pixel, differ.

19. (Previously Presented) An electronic apparatus, comprising the liquid crystal display according to Claim 1.

20. (Previously Presented) An electronic apparatus, comprising the liquid crystal display according to claim 10.